

IN THE CLAIMS:

Please amend Claims 1, 5, 10-13, 15, and 25 as follows.

1. (Currently Amended) An image forming apparatus comprising:

a cartridge detachably mounted thereon, said cartridge including a storage medium capable of storing electronic information and a part of plural process means for image formation including a photosensitive body on which an electrostatic latent image is formed, charging means for charging said photosensitive body, development means for developing the electrostatic latent image formed on said photosensitive body, and exposing means for exposing said photosensitive body;

means for detecting a driven amount of said cartridge; and

control means for changing an exposure condition of said exposing means for exposing said photosensitive body on the basis of the information stored in said storage medium,

wherein said storage medium stores, in advance (1) threshold information relating to a threshold value used to change the exposure condition for said exposing means to expose said photosensitive body and (2) arithmetic coefficient information used to calculate a used amount information of said cartridge, said storage medium having an area for storing information on the driven amount of said cartridge, and

wherein said control means calculates the used amount information of said cartridge on the basis of the driven amount information and the arithmetic coefficient information, and when a value obtained by the calculation of said control means reaches the threshold value, said control means changes the exposure condition for said exposing means.

2. (Previously Presented) An image forming apparatus according to claim 1, wherein the driven amount of the cartridge is the rotation time of said photosensitive body or the bias application time during which said charging means charges said photosensitive body, and wherein the used amount information of said cartridge is a value obtained by weighting the rotation time using the arithmetic coefficient information, or a value obtained by weighting the bias application time using the arithmetic coefficient information.

3. (Previously Presented) An image forming apparatus according to claim 1, wherein said threshold information used to change the exposure condition for said exposing means includes at least one of a value related to a manufacturing lot of said photosensitive body, a value related to an electrical characteristic of said charging means, and information related to the contact pressure of a cleaning blade abutting against said photosensitive body.

4. Cancelled

5. (Currently Amended) An image forming apparatus according to claim 1, wherein said storage medium stores ~~has~~ a table corresponding to said threshold information and said exposure condition.

6. (Previously Presented) A cartridge detachably mountable on a main body of an image forming apparatus, the image forming apparatus including a photosensitive body on which

an electrostatic latent image is formed, charging means for charging the photosensitive body, developing means for developing the electrostatic latent image formed on the photosensitive body, and exposing means for exposing the photosensitive body, said cartridge comprising:

a storage medium capable of storing electronic information,

wherein said storage medium stores, in advance, (1) threshold information relating to a threshold value used to change an exposure condition for the exposing means to expose the photosensitive body and (2) arithmetic coefficient information used to calculate a used amount of said cartridge, said storage medium having an area for storing information on the driven amount of said cartridge.

7. (Previously Presented) A cartridge according to claim 6, wherein the driven amount information of said cartridge is the rotation time of the photosensitive body or the bias application time for the charging means.

8. (Previously Presented) A cartridge according to claim 6, wherein said threshold information used to change the exposure condition for the exposing means includes at least one of a value related to a manufacturing lot of the photosensitive body, a value related to an electrical characteristic value of the charging means, and information related to the contact pressure of a cleaning blade abutting against the photosensitive body.

9. Cancelled

10. (Currently Amended) A cartridge according to claim 6, wherein said storage medium ~~has~~ stores a table corresponding to said threshold information and said exposure condition.

11. (Currently Amended) An image forming system for forming an image on a recording medium by using a cartridge detachably attachable to an image forming apparatus, said system comprising:

said cartridge; and

said image forming apparatus,

wherein said cartridge includes a storage medium capable of storing electronic information and a part of plural process means for image formation including a photosensitive body on which an electrostatic latent image is formed, charging means for charging said photosensitive body, and developing means for developing the electrostatic latent image formed on said photosensitive body,

wherein said image forming apparatus includes exposing means for exposing said photosensitive body, means for detecting a driven amount of said cartridge, and control means for changing an exposure condition of said exposing means for exposing said photosensitive body on the basis of the information stored in said storage medium,

wherein said storage medium stores, in advance (1) threshold information relating to a threshold value used to change the exposure condition for said exposing means to expose said photosensitive body and (2) arithmetic coefficient information used to calculate a used amount

information of said cartridge, said storage medium having an area for storing information on the driven amount of said cartridge, and

wherein said control means calculates the used amount information of said cartridge on the basis of the driven amount information and the arithmetic coefficient information, and when a value obtained by the calculation of said control means reaches the threshold value, said control means changes the exposure condition for said exposing means.

12. (Currently Amended) An image forming system according to claim 11, wherein the driven amount of ~~the~~ said cartridge is the rotation time of said photosensitive body or the bias application time during which said charging means charges said photosensitive body, and wherein the used amount information of said cartridge is a value obtained by weighting the rotation time using the arithmetic coefficient information, or a value obtained by weighting the bias application time using the arithmetic coefficient information.

13. (Currently Amended) An image forming system according to claim 11, wherein said threshold information used to change the exposure condition for said exposing means includes at least one of a value related to a manufacturing lot of said photosensitive body, a value related to an electrical characteristic of ~~the~~ said charging means, and information related to the contact pressure of a cleaning blade abutting against said photosensitive body.

14. Cancelled

15. (Currently Amended) An image forming system according to claim 11, wherein said storage medium ~~has~~ stores a table corresponding to said threshold information and said exposure condition.

16. (Previously Presented) A storage medium for storing electronic information, wherein said storage medium is mounted on a cartridge detachably mountable on a main body of an image forming apparatus, wherein the image forming apparatus includes means for detecting a driven amount of the cartridge, a photosensitive body on which an electrostatic latent image is formed, charging means for charging the photosensitive body, developing means for developing the electrostatic latent image formed on the photosensitive body, and exposing means for exposing the photosensitive body,

wherein said storage medium stores, in advance (1) threshold information relating to a threshold value used to change an exposure condition for the exposing means to expose the photosensitive body and (2) arithmetic coefficient information used to calculate a used amount of the cartridge, and

wherein said storage medium has an area for storing information on the driven amount of the cartridge.

17. (Previously Presented) A storage medium according to claim 16, wherein the driven amount of the cartridge is the rotation time of the photosensitive body or the bias application time during which the charging means charges the photosensitive body, and

wherein the arithmetic coefficient information used to calculate the used amount of the cartridge is information for weighting the rotation time of the photosensitive body or the bias application time for the charging means.

18. (Previously Presented) A storage medium according to claim 16, wherein the threshold information used to change the exposure condition for the exposure means to expose the photosensitive body includes at least one of a value related to a manufacturing lot of the photosensitive body, a value related to an electrical characteristic value of the charging means, and information related to the contact pressure of a cleaning blade abutting against the photosensitive body.

19. Cancelled

20. (Previously Presented) A storage medium according to claim 16, wherein said storage medium stores a table corresponding to said threshold information and said exposure condition.

21. (Previously Presented) A cartridge according to Claim 6, further comprising the photosensitive body, the charging means, and the developing means.

22. (Previously Presented) A storage medium according to Claim 16 in combination with the cartridge, the cartridge comprising the photosensitive body, the charging means, the developing means.

23. (Previously Presented) A storage medium to be mounted on a cartridge being usable with a main body of an image forming apparatus, wherein the image forming apparatus includes a photosensitive body on which an electrostatic latent image is formed, a charging member configured to charge the photosensitive body, a developing member configured to develop the electrostatic latent image formed on the photosensitive body, a detector configured to detect a driven amount of the photosensitive body, and an exposing device configured to expose the photosensitive body,

wherein said storage medium stores, in advance (1) threshold information relating to a changing exposure condition for the exposing device, and (2) arithmetic coefficient information used to calculate a used amount of the cartridge, and

wherein said storage medium has an area configured to store information relating to the driven amount of the photosensitive body detected by said detector.

24. (Previously Presented) A storage medium according to Claim 23, wherein said storage medium stores a table corresponding to the threshold information and the exposure condition.



25. (Currently Amended) A storage medium according to Claim 23, wherein the cartridge comprises the photosensitive body, the charging member, and the developing member.